executed before the Amildar, guaranteeing a return of 3 per cent on the amount the Government would provide for this work;

(*g*) the total number of aqueducts, cart-bridges and foot-bridges along this feeder channel and the estimated cost of each included in the project?

*A.*—**The SECRETARY to GOVERNMENT, PUBLIC WORKS DEPARTMENT (Mr. N. Sarabhoja)**—

(*a*) The relative difference between the crest level of Konanur tank and the proposed sill level of sluice in the *anecut* is 50 feet.

(*b*) 17½ miles.

(*c*) 2 feet per mile.

(*d*) *Vide* Appendix.

(*e*) Yes.

(*f*) Yes. Only the atchkatdars under Konanur major tank.

(*g*) 3 aqueducts, 23 cart-bridges, 6 road culverts, 19 silt dams, 37 relieving weirs, costing Rs. 4,920, 5,750, 1,860, 950 and 5,735, respectively.

**Mr. K. VENKATARAMIAH.**—This question was under negotiation with the Government of Coorg. Has it been settled?

**Mr. N. SARABHOJA.**—Not yet.

**Mr. K. VENKATARAMIAH.**—When will it be settled?

**Mr. N. SARABHOJA.**—A meeting has been fixed for next November.

**Mr. K. VENKATARAMIAH.**—There is already an old *anecut* there. Why not treat it as a restoration work instead of treating it as a new project? And seeing that the question has been pending for several years past, will the Government be pleased to include it in the next year's budget?

**Mr. N. SARABHOJA.**—We will be able to decide it only after November.

**Mr. V. S. KASTURI.**—Is it proposed to revise the estimates?

**Mr. N. SARABOHJA.**—Yes.

**Mr. V. S. KASTURI.**—In the abstract estimate, a sum of Rs. 2,500 has been provided for temporary buildings. Where is the need for buildings?

**Mr. N. SARABHOJA.**—They are necessary.

**Mr. V. S. KASTURI.**—Why spend so much money on temporary buildings? Cannot the estimate be reduced?

**Mr. N. SARABHOJA.**—We shall do it, if possible.

### Jog Hydro-Electric Scheme.

*Q.*—40. **Mr. Bhupalam R. CHANDRASEKHARAYYA** (Shimoga Municipality).

Will the Government be pleased to state:—

(*a*) the amount expended so far in connection with the Jog Hydro-Electric Scheme;

(*b*) the amount spent under the several items so far (important items will suffice);

(*c*) the outlay on the examination for foundation at Hirebhaskara, Honnemaradu, Kargalu (W.D.) and Gilligundi (separate figures may be furnished for the respective places);

(*d*) the site now selected for the construction of the dam;

(*e*) whether it will be possible to construct the dam without bringing any portion of the Madras Presidency under submersion;

(*f*) the volume of electric power (in horse-power) estimated to be generated in the first stage;

(*g*) in how many years, the first stage can be reached;

(*h*) whether there is any probability of the entire power generated during these years being consumed in the Mysore State only;

(*i*) the horse-power that will be reserved for the Aluminium Factory proposed to be established at Harihar;

(*j*) whether any agreement or settlement has been arrived at as to the rate at which power could be supplied to the Aluminium Factory;

(*k*) the distance further down from the Jog Falls at which the Electric Generating Station is proposed to be constructed;

(*l*) the height of this place from sea level;

(*m*) the height from and the number of pipes through which water would be brought to the generating station;

(*n*) the total length of these pipes and the estimated value of these pipes?

*A.*— **The SECRETARY to GOVERNMENT, ELECTRICAL DEPARTMENT (Sir H. N. Colam).**—

(*a*) The amount expended up to the end of August including pending bills was Rs. 8·27 lakhs.

(*b*) This may be divided as follows:—

| | | |
|---|---|---|
| Preliminary expenditure on surveys, exploration of dam sites, etc. | Rs. 3·74* lakhs | |
| Transmission line from Bhadravati to Jog | 2·69 | ,, |
| Roads and transport | 1·19 | ,, |
| Quarters ... | 0·11 | ,, |
| Contingencies ... | 0·17 | ,, |
| (*c*) Kargalu ... | Rs. | 2,280 |
| Gilligundi ... | Rs. | 15,690 |
| Hirebhaskara ... | Rs. | 9,933 |
| Hoskote ... | Rs. | 1,051 |

(*d*) Provided the Government of Madras agree to the transfer of some of their territory which would be inundated, the dam would probably be at Hirebhaskara.

*This includes Rs. 0·90 lakhs on surveys carried out in 1918-21.

(*e*) No.

(*f*) 32,000 H.P.

(*g*) In about two years from the start of construction provided machinery can be obtained.

(*h*) Of the output of the first stage, it has been agreed to supply a block of 5,000 H.P. to the Government of Bombay. No one can say that the whole of the remaining output of the first stage would be absorbed. But the main justification for starting the Jog Scheme is that at the present rate of development there would be a shortage of power in the Mysore State in a few years without it.

(*i*) and (*j*) Negotiations have been in progress for the supply of 15,000 H.P. to the Aluminium Factory which there is some prospect of establishing at Harihar, but no agreement has been reached.

(*k*) About 2½ miles.

(*l*) About 180 feet.

(*m*) The fall from the end of the canal to the power station is about 1,400 feet. The number of pipes depends upon the number of generators to be installed and it is not yet decided.

(*n*) 3,140 feet. Rs. 10·3 lakhs for two stages.

**Mr. Bhupalam R. CHANDRASEKHARAYYA.**— A sum of Rs. 90,000 has been spent on surveys carried out during the 3 years 1918 to 1921. Was the survey fully completed?

**Mr. N. SARABHOJA.**—The surveys that were done during the years 1918 to 1921 were for a smaller project. The survey that is being done now is for an enlarged project.

**Mr. Bhupalam R. CHANDRASEKHARAYYA.**—In what year was the subsequent survey work begun?

**Mr. N. SARABHOJA.**—In January 1938.

**Mr. Bhupalam R. CHANDRASEKHARAYYA.**—So, in these two years a sum of Rs. 2·84 lakhs has been spent on surveys in addition to Rs. 90,000?

**Mr. N. SARABHOJA.**—Yes.

**Mr. Bhupalam R. CHANDRASEKHARAYYA.**—What were the sites selected for the dam?

**Mr. N. SARABHOJA.**—They are mentioned in the answer to (*c*).

**Mr. Bhupalam R. CHANDRASEKHARAYYA.**—According to the survey then carried out, was no difficulty felt in regard to the suitability of these sites?

**Mr. N. SARABHOJA.**—No.

**Mr. Bhupalam R. CHANDRASEKHARAYYA.**—After spending Rs. 90,000 already, why should there have been further expenditure on survey operations?

**Mr. N. SARABHOJA.**—I have already answered that question.

**Mr. Bhupalam R. CHANDRASEKHARAYYA.**—The next item, *viz.*, Rs. 2·69 lakhs, is for the transmission line from Bhadravati to Jog. Has this transmission line been put up?

**Mr. N. SARABHOJA.**—I am not aware of it. I want notice.

**Mr. Bhupalam R. CHANDRASEKHARAYYA.**—What is the road work referred to in the next item?

**Mr. N. SARABHOJA.**—From Talaguppe to Jog. This item also includes cost of transport plant.

Mr. Bhupalam R. CHANDRASEKHARAYYA.—Where are the quarters referred to in the estimate to be constructed?

Mr. N. SARABHOJA.—In Jog itself.

Mr. Bhupalam R. CHANDRASEKHARAYYA.—From the answer to (*c*), it is seen that there is wide disparity in the outlay incurred on the examination for foundation. Why is it so?

Mr. N. SARABHOJA.—In some places the foundation was deep and hence there was extra cost. Wherever the rock foundation was within easy reach, the cost was less.

Mr. Bhupalam R. CHANDRASEKHARAYYA.—What is the width of the trial pits?

Mr. N. SARABHOJA.—They vary from 15 feet to 25 feet according to the depth and form a part of excavation for foundations.

Mr. Bhupalam R. CHANDRASEKHARAYYA.—What is the measurement of the foundation in Gilligundi?

Mr. N. SARABHOJA.—Notice.

Mr. Bhupalam R. CHANDRASEKHARAYYA.—What is the compensation that the Madras Government have been demanding now?

Mr. N. SARABHOJA.—I want notice of this question. Compensation for lands submerged has to be paid whether they lie in Mysore or Madras territory.

Mr. Bhupalam R. CHANDRASEKHARAYYA.—Is not the question of Hirebhaskara site pending from 1918?

Mr. N. SARABHOJA.—Yes.

Mr. Bhupalam R. CHANDRASEKHARAYYA.—Is the site of the contemplated dam in two places?

Mr. N. SARABHOJA.—Only in one place for the main reservoir.

Mr. Bhupalam R. CHANDRASEKHARAYYA.—As regards the proposed Aluminium Factory at Harihar, wherefrom will they get the ore?

The FIRST MEMBER (Rajamantrapravina N. Madhava Rau).—Some portion will come from Bombay side and the balance from the State itself.

Mr. Bhupalam R. CHANDRASEKHARAYYA.—Has it been decided to start that company?

Mr. N. MADHAVA RAU.—It is not yet finally settled.

Mr. Bhupalam R. CHANDRASEKHARAYYA.—If the contemplated scheme does not materialise, will the Government take it up?

Mr. N. MADHAVA RAU.—It would be a very expensive undertaking.

Mr. Bhupalam R. CHANDRASEKHARAYYA.—From the answer to (*h*), it is seen that you want to construct a greater project in 4 stages. What will be the total estimate for pipes?

Mr. N. MADHAVA RAU.—It will be double the present estimate.

Mr. Y. V. MUNISWAMI IYER.—For mere survey operations, about Rs. 4 lakhs expenditure has been incurred. Is it not too much?

Mr. N. SARABHOJA.—The amount spent is not only for surveys but also for clearing of sites, for constructing road and such other works.

Mr. Y. V. MUNISWAMI IYER.—Is it not desirable to observe rigid economy in working this project?

Mr. N. SARABHOJA.—It is being borne in mind.

Mr. A. VENKATESAIYA.—With reference to answer (*h*), cannot the required pipes be obtained from the Mysore Iron and Steel Works at a reduced cost?

Mr. N. SARABHOJA.—It may be rather difficult for the Mysore Iron and Steel Works to undertake the supply.

Mr. B. L. BYANNA.—Was the work relating to the transmission line from Bhadravati to Jog done departmentally or was it got done on a contract basis?

Mr. N. SARABHOJA.—The information is not readily available. I want notice.

Mr. B. L. BYANNA.—Was the earthwork, etc., referred to in (*c*) got done departmentally?

Mr. N. SARABHOJA.—I shall look up the files and tell you if you give notice of this question.

## GOVERNMENT BUSINESS—BILLS—*concld.*

### Bill further to amend the Code of Criminal Procedure, 1904.

The SECRETARY to GOVERNMENT' LAW DEPARTMENT Mr. C. Subrahmanya Aiyar explained the general principles of the Bill as follows:—